

UT-120-TP-LL

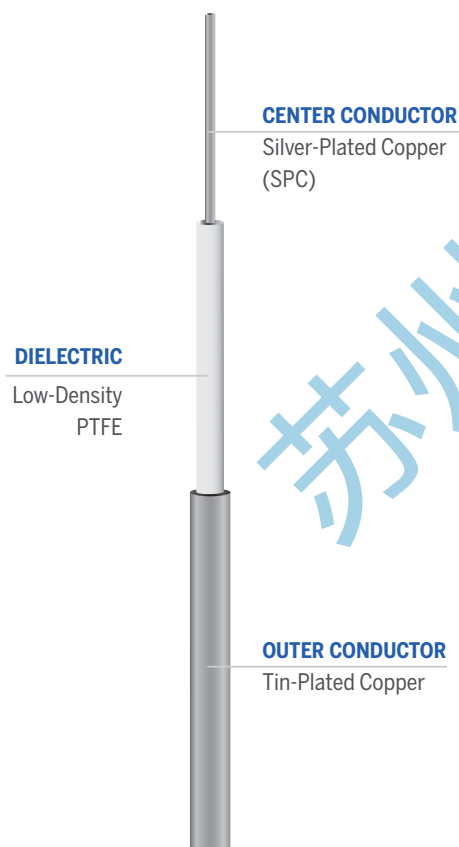
Semi-Rigid Coaxial Cables



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The low-loss semi-rigid cables from Micro-Coax provide lower attenuation, better phase stability with temperature, and a higher operating temperature when compared to traditional solid PTFE semi-rigid cables. This line of semi-rigid cables has 4 available outer conductor options: copper, tin-plated copper, aluminum, or tin-plated aluminum.

Details and Materials



MICRO-COAX
AN AMPHENOL COMPANY

 **Impedance**
50 Ohms

 **Operating Temperature**
-55°C to +225°C

 **RoHS**
Compliant

Dimensions

Outer Conductor Diameter	in	0.120
	mm	3.048
Center Conductor Diameter	in	0.0359
	mm	0.9119
Length (Maximum)	ft	20
	m	6.10

Mechanical Characteristics*

Outer Conductor Integrity Temp.	°C	225
Inside Bend Radius (Minimum)	in	0.188
	mm	4.775
Weight	lbs/100ft	2.01
	kg/100m	3.02

Electrical Characteristics*

Capacitance	pF/ft	26.5
	pF/m	86.8
Corona Extinction Voltage	VRMS @60 Hz	2600
Voltage Withstanding	VRMS @60 Hz	7800
Higher Order Mode Frequency	GHz	41.0

Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	564.8
1.0	397.5
5.0	174.3
10.0	121.4
18.0	89
26.5	72.3
40.0	57.8
50.0	N/A
65.0	N/A
90.0	N/A

Attenuation (Typical)

GHz	dB/100 ft
0.5	7.7
1.0	11
5.0	25.3
10.0	36.4
18.0	50
26.5	61.8
40.0	77.7
50.0	N/A
65.0	N/A
90.0	N/A

* Applicable at room temperature. Contact for performance over temperature range.